

DIFFERENT SCOPES IN CIVIL ENGINEERING AND ENTREPRENEURSHIP-2015

Civil engineering is the very fast growing branch in India. Indian government need civil engineers in high amount but due to lack in the civil engineering professionals governments are delaying their works. This report highlights the oppurtunities of civil engineering as a career

The various works of a Civil Engineer includes:

- Planning of projects
- Designing
- Construction
- Supervision
- Quality Control
- Maintenance

Two days seminar on different scope of civil engineering and entprenurship was conducted on August 2012 in the seminar hall 6 with the presence of all the faculties and 3rd semester students of Civil Engineering department, MVJCE.

The program was conducted by **Prof Ravikanth Talluri** under the guidance of **HOD Dr,Asha** .

The **objective** of the seminar is to give an awareness to the students regarding the various oppourtunities in the field of civil Engineering. The seminar was conducted for two days in four session.

August 3.2015		August 4, 2015	
Session 1 (9.30-12.00)	Session 2 (1.00-3.30)	Session 3 (9.30-12.00)	Session 4 (1.00-3.30)
Various field of civil engineering	Talk on “introduction to ETABS” by Raghuv eer K.S, Technical advisor in	Talk on “Higher studies in civil engineering” by P Vishwanath,T.I.M.E,Bangalore	Talk on” how to become an enterprenur” by Mr. Palkush Rai

	structures, Design Consortium,Bangalore		Chawla,CEO , Elanic a start up concern
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August 3,2015 (Session 1 (9.30-12.00))

The seminar started with the general introduction on Civil Engineering and the scope by Prof Ravi Kant Talluri, Civil Department. It also highlighted the following topics:

- 1) Skill in project management includes MSP , Primavera.
- 2) Knowledge in designing includes Auto CAD , Staad.Pro, ETABS, SAP2000.
- 3) Knowledge in consruction field including execution of mega project.
- 4) Role of civil engineer in energy ,power sector railway , coastal engineering, environmental engineering, transportation and geotechnical engineering.
- 5) Awareness to different competitive exam (central and state).
- 6) Encouraging the students to pursue higher studies.
- 7) Encouraging the students to pursue short term certification programs offered to make students update with current technology.

August 3,2015 (Session 2 (1.00-3.30PM)

The afternoon session started with the introduction to “ETABS” by **Raghuveer K.S, Technical advisor in structures, Design Consortium,Bangalore.**

ETABS is a sophisticated, yet easy to use, special purpose analysis and design program developed specifically for building systems. ETABS 2016 features an intuitive and powerful graphical interface coupled with unmatched modeling, analytical, design, and detailing procedures, all integrated using a common database. Although quick and easy for simple structures, ETABS can also handle the largest and most complex building models, including a wide range of nonlinear behaviors necessary for performance based design

Session Highlighted the following topics:

- Dynamic Analysis: Various options for the response spectrum analysis to large deformation of the nonlinear time analysis.
- Modeling: How to work with the physical member that is based on the objects and thus require less time in the creation of the model and interpretation of the results.

- Steel Frame Design & Detailing: dealing with the process using various design, code algorithms for steel member selection, such as: stress checking and drift optimization.
- How to emerge as an innovator, and the communicative engineer, who has an ability to work with people spanning different disciplines.
- The concepts of editing and creating complex models.Utilize the intelligence for all large scale seismic projects, including those that involve Non-Linear Modeling.

August 4,2015 (Session 3 (9.30-12.00))

The forenoon session started with the talk on “Higher studies in civil engineering” by P Vishwanath,T.I.M.E,Bangalore

He emphasized on the following streams in Civil Engineering(M.Tech post-graduation degree.)

- Structural Engineering
- Traffic and Transportation Engineering
- Hydraulics and Water Resources Engineering
- Environment Engineering
- Geotechnical Engineering
- Construction Management Geoinformatics

August 4,2015 (Session 4 (1.00-3.30PM))

The afternoon session started with the introduction Talk on” How to become an enterprenur” by Mr. Palkush Rai Chawla,CEO , Elanic a start up concern

The highlights of the session was:

1. Take a Stand for Yourself. ...
2. Identify the Right Business for You. ...
3. Business Planning Improves Your Chances for Success. ...
4. Know Your Target Audience Before You Spend a Penny. ...
5. Understand Your Personal Finances and Choose the Right Kind of Money You Need for Your Business.

The workshop was successfully completed and all the students and faculties were thankful to the speakers of the seminar on “Scope for Civil Engineering” under the guidance of Prof Asha and Prof Ravikanth for the informative sessions.